DATE	:04/01/10	Paper No.:
TO SPE OF		10793917 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
SUBJECT	•	Correction for Appl. No.: 10582815 Patent No.: 7633850
FOR IFW FI	•	certificate of correction within 7 days.
Please revie	w the requested change	es/corrections as shown in the <b>COCIN</b> document(s) in the atter should be introduced, nor should the scope or
	plete the response (see nent code <b>COCX</b> .	below) and forward the completed response to scanning
FOR PAPE	R FILES:	
	,	es/corrections as shown in the attached certificate of rm (see below) and forward it with the file to:
Certii Rand Palm	ficates of Correction E olph Square 9D40-D Location 7580	Branch (C of C)  sponse to 571-270-9990
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PTOL-306 (REV. 7/03)

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

	Page of
PATENT NO. : 7,633,850 B2	,
APPLICATION NO.: 10/582,815	•
ISSUE DATE December 15, 2009	
INVENTOR(S) : Chang-Jun Ahn	
It is certified that an error appears or errors appear in the above-identified patent and is hereby corrected as shown below:  An error was made in Claim 4 at Column 18, Line 33:	that said Letters Patent
Please delete convened and add converted	•
An error was made In Claim 8 at Column 20, Line 5:	
Please delete 0>= 1> n, 0>=   > m - and add _ 0=< l < n, 0=<   < m ==	
An error was made in Claim 11 at Column 20, Line 63:	
Please delete 0>= 1> n, 0>=   > m - and add = 0=<   < n, 0=<   < m	
An error was made in Claim 13 at Column 21, Line 38:	
Please delete 0>= 1> n, 0>= 1 > m - and add _ 0=< 1 < n, 0=< 1 < m	
An error was made in Claim 14 at Column 22, Line 8:	
Please delete out put - and add output	
An error was made in Claim 16 at Column 22, Line 43:	
Please delete 0>= 1> n, 0>=   > m - and add - 0=<   < n, 0=<   < m	
<b>,</b> '	

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Gregory D. DeGrazia, Howard & Howard Attorneys PLLC, 450 West Fourth Street, Royal Oak, MI 48067

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 OFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.